CFSKN X Series

FM CERAMIC FILTERS

Description

- Low insertion loss design for lower gain dispersion in transceiver applications.

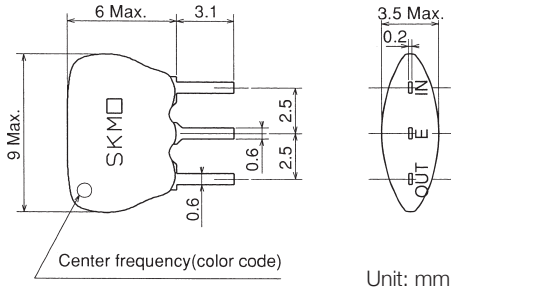
Features

- Compact and low profile (ideal for slimline sets)
- Low temperature coefficient and dispersion for reliable response
- High selectivity
- Low spurious response
- Independent terminal structure
- Lead-free terminations

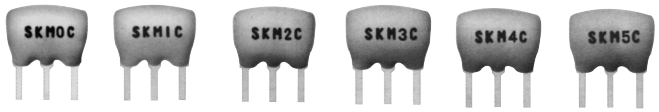
Applications

- Cordless telephones, tuner packs, radio cassettes, car radios, compact portable radios
- Wireless data communication equipment

Dimensions



Unit: mm



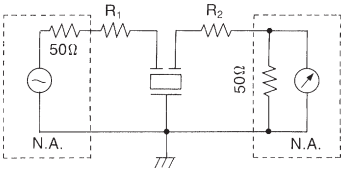
SKM0N SKM1N SKM2N SKM3N SKM4N SKM5N

Color Code Table

Rank	Center Frequency*	Color Code
A	10.70±0.03MHZ	None
B	10.67±0.03MHZ	Blue
C	10.73±0.03MHZ	Orange
D	10.64±0.03MHZ	Black
E	10.76±0.03MHZ	White

* Standard center frequency: 10.7MHz
* Applicable center frequencies: 10.3MHz — 11.5MHz
* Center frequency tolerance: Standard ±30kHz; ±25kHz and ±20kHz also available

Test Circuit



Test Conditions

R_1: 280Ω
R_2: 280Ω
N.A.: HP4194A or equivalent
(Input impedance less than 15pF)

STANDARD FILTERS SELECTION GUIDE

TYPE CFSKN Low Loss X Series

TOKO Part Number	Center Frequency (Fo)*	Bandwidth at 3dB (kHz)	Bandwidth at 20dB (kHz)	Insertion Loss (dB)	Spurious Response (dB)	Impedance (In/Out) (Ω)
#SK107M0N-AE-10X	See Color Code Table	330±50	680 max.	2.5±2.0	30 min.	330/330
#SK107M1N-AE-10X	See Color Code Table	280±50	650 max.	2.5±2.0	30 min.	330/330
#SK107M2N-AE-20X	See Color Code Table	230±50	600 max.	3.0±2.0	40 min.	330/330
#SK107M3N-AE-20X	See Color Code Table	180±40	520 max.	3.5±1.5	40 min.	330/330
#SK107M4N-AE-20X	See Color Code Table	150±40	400 max.	5.5±2.0	40 min.	330/330
#SK107M5N-AE-10X	See Color Code Table	110±30	350 max.	6.0±2.0	30 min.	330/330

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